

MSU 4.1-703
Appl. No. 10/821,581
Amendment Dated: December 3, 2007
Reply to Office Action mailed September 20, 2007

**This listing of claims will replace all prior versions
and listings of claims in the application:**

LISTING OF CLAIMS

1. (Cancelled)

2. (Currently Amended) A method for producing a composition having antioxidant and anti-inflammatory activity which comprises:

(a) providing a first batch of ~~the~~ an edible ~~berries~~ berry, wherein the ~~berries are~~ berry is fresh or quick frozen and thawed;

(b) blending the edible berry ~~berries~~ and separating pulp from juice;

(c) extracting anthocyanins, bioflavonoids and phenolics with organic acids and sugars into an aqueous solution from the juice and pulp;

(d) removing the anthocyanins, bioflavonoids, and phenolics from the organic acids and sugars in the solution by adsorbing the anthocyanins, bioflavonoids,

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and phenolics onto an adsorbent resin which does not absorb the organic acids and sugars;

(e) washing the resin with a lower alkanol to remove the anthocyanins, bioflavonoids and phenolics as a mixture from the resin;

(f) separating the alkanol from the mixture;

(g) repeating steps (a) to (f) with the separated alkanol and the resin from which the mixture has been removed with multiple batches to provide additional of the mixture of the berries edible berry; and

(h) combining the mixture of (f) and (g) with a carrier for food use which consists essentially of ~~comprises—berry~~ pulp of the edible berry separated from the acids, sugars, anthocyanins, bioflavonoids and phenolics contained in the juice to produce a composition having antioxidant and anti-inflammatory activity.

3. (Original) The method of Claim 2 wherein the alkanol is ethanol.

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4. (Currently Amended) The method of any one of Claims 2 or 3 wherein the edible berry is ~~berries are~~ individually quick frozen.

5. (Original) The method of any one of Claims 2 or 3 wherein the resin particles are in the form of a column.

6. (Currently Amended) The method of any one of Claims 2 or 3 wherein the edible berry in step 2(a) is selected from the group consisting of cranberries, raspberries, strawberries, blueberries, blackberries, elderberries, red grapes, gooseberries, Barbados cherries (acerola cherry) and choke cherries.

7. (Cancelled)

8. (Cancelled)

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9. (Currently Amended) The method of any one of Claims 2 or 3 wherein ~~the~~ in addition, after step ~~(f)~~ (g) the mixture is combined with the pulp from the edible berry in step (h) as the carrier and then dried to produce the composition.

10. (Currently Amended) The method of any one of Claims 2 or 3 wherein in addition, after step ~~(f)~~ (g) the mixture is dried and then combined with ~~a dried~~ the pulp of the edible berry pulp which has been dried as the carrier to produce the composition.

11. (Currently Amended) The method of Claim ~~7~~ 6 wherein in addition the mixture of the anthocyanins, the bioflavonoids, the phenolics and the pulp are formed into a tablet to produce the composition.

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12. (Currently Amended) The method of any one of Claims 2 or 3 wherein ~~in~~ after step ~~(f)~~ (g) in addition, the mixture is combined with the pulp from the edible berry as the carrier in step (h) and then dried and wherein the mixture and the pulp are then formed into a tablet to produce the composition.

13. (Currently Amended) The method of any one of Claims 2 or 3 wherein in addition after step ~~(f)~~ (g), the mixture is dried and then combined with ~~dried~~ the pulp of the edible berry which has been dried as the carrier and wherein the mixture and the pulp are then formed into a tablet to produce the composition.

Claims 14-36 (Cancelled)